



**CERTIFICATION OF RCRA CLOSURE  
OF UNIT 881.3B (GLOVEBOX 460) IN BUILDING 779  
EPA ID No. CO7890010526**

**April 30, 1998**

**ADMIN RECORD**

## INTRODUCTION

The purpose of this report is to certify the RCRA closure of Unit 881.3B (Room 222, Glovebox 460) in Building 779 at the Rocky Flats Environmental Technology Site (Site). EnviroTemps, Inc. (ET) has been retained by Rocky Mountain Remediation Services to perform this service. This report provides evidence to support the closure was conducted in accordance with the method described as "Debris Rule" Decontamination in the Site RCRA Permit, Part X, Section D, the applicable Colorado Hazardous Waste Act (CHWA) requirements for RCRA closure of permitted units, as defined in 6 CCR 1007-3, Part 264, Subpart G, and with the Closure Description Document for RCRA Closure of Glovebox 460 in Building 779.

## HISTORICAL OVERVIEW

Building 779 was constructed as a research and development facility, with small scale production and recovery operations. All operations were suspended in 1989, after which time the building was used to store special nuclear materials, residues and radioactive wastes.

Glovebox 460 in Room 222 was used to perform hydrolysis treatment activities to convert uranium hydride (UH) to uranium oxide under the auspices of the permitted unit. The EPA waste codes for UH is D001 (considered pyrophoric) and D003 (reactive). Small vessels containing UH were utilized as sources of high purity hydrogen in support of experimental activities in Building 779. Each vessel was vented to initiate reaction of the UH with the glovebox air. Since the uranium compounds were totally contained within the vessels or within the metal pan during the last step of treatment, no releases of hazardous waste to the glovebox occurred.

## RCRA CLOSURE CERTIFICATION ACTIVITIES

An inspection of Glovebox 460 was conducted by ET on 3-27-98. Prior to the inspection, all waste and UH vessels were removed from the Glovebox and the inside area was swept and cleaned of residuals.

When viewed without magnification, Glovebox 460 appeared to be free of all visible staining, residuals, and waste. On this basis, the closure performance standard for decontamination of hazardous debris as defined by 'clean debris surface' is satisfied. Hazardous debris is considered a non-hazardous solid waste.

Glovebox 460 is not subject to further use.

## CONCLUSIONS AND CLOSURE CERTIFICATION

Based on ET's observations and investigations presented in this report, the RCRA closure performance criteria has been met for Unit 881.3B.

The undersigned hereby certifies that closure of Unit 881.3B (Room 222, Glovebox 460) in Building 779 at the Rocky Flats Environmental Technology Site (Site) was conducted in accordance with the method described as "Debris Rule" Decontamination in the Site RCRA Permit, Part X, Section D, the applicable Colorado Hazardous Waste Act (CHWA) requirements for RCRA closure of permitted units as defined in 6 CCR 1007-3, Part 264, Subpart G, and with the Closure Description Document.

  
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4-30-98  
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